

# SEQUENCE LISTING

<110> Farn, Jacinta  
Strugnell, Richard  
Tennent, Jan

<120> Vaccine antigens of Moraxella

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<140> US 10/069,799

<141> 2002-02-28

<150> PCT/AU00/01048

<151> 2000-08-31

<150> AU PQ2571

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<170> PatentIn Ver. 2.1

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Ser Phe Leu Gly Thr Ala Leu Ala Gly Ile Glu Leu Asp Ser Leu Ile
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Lys Lys Gly Asp Ala Ala Pro Asp Ala Leu Ala Lys Ala Ser Ile Asp  
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 Ala Lys Gly Phe Ser Asn Ile Gly Asn Lys Leu Gln Asn Leu Asn Phe  
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 385 390 395 400  
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 405 410 415  
 Lys Gly Tyr Asp Ser Arg Tyr Ala Ala Tyr Leu Ala Asn Asn Leu Lys  
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Ile Thr Gln Gln Arg Trp Asp Asn Asn Ile Gly Glu Leu Ala Gly Ile  
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 Phe Glu Asp Gly Lys Lys Val Glu Ala Gly Ser Asn Ile Thr Leu Asp  
 485 490 495  
 Ala Lys Thr Gly Ile Ile Asp Ile Ser Asn Ser Asn Gly Lys Lys Thr  
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 675 680 685  
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Asp Gly Asn Asp Thr Leu Tyr Asp Gly Thr Gly Asn Asp Lys Leu Ala  
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                   20                  25                  30  
 Asp Ser Lys Leu Ala Ser Arg Ile Phe Ala Gln Tyr His Glu Asp Leu  
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           20                  25                  30  
 Leu Val Ile Leu Ala Lys Tyr Tyr Gly Ile Ser Ala Ser Pro Ala Asp  
   35                  40                  45  
 Ile Met His Arg Leu Ala Lys Lys Leu  
   50                  55